

LOCATION PLAN
1 INCH = 2000 FEET

GENERAL NOTES:

1. TAX MAP DESIGNATION: 51 - 1 - 55.3
2. TOTAL PARCEL AREA: 3.109± ACRES
3. NUMBER OF PROPOSED LOTS : 2 RESIDENTIAL LOTS
4. ZONING DISTRICT: R-1 DISTRICT - TOWN OF NEW WINDSOR
5. LOT #1 TO BE SERVICED BY EXISTING INDIVIDUAL WELL AND SUBSURFACE SEWAGE DISPOSAL SYSTEM. LOT #2 TO BE SERVICED BY PROPOSED INDIVIDUAL WELL AND SUBSURFACE DISPOSAL SYSTEM AS SHOWN ON THIS PLAT.
6. SUBDIVISION WAS GRANTED TWO VARIANCES FROM THE TOWN OF NEW WINDSOR ZONING BOARD OF APPEALS FOR GROSS LOT AREA ON APRIL 28, 2008.
7. THE PROPOSED NET LOT AREAS ARE CALCULATED WITHOUT INCLUDING THE DEDICATED RIGHT OF WAY AREA FOR SHO GEE COURT.
8. CURRENT NW AND N.Y.S. DEC WETLAND MAPPING AS PROVIDED BY THE ORANGE COUNTY WATER AUTHORITY DOES NOT INDICATE THE PRESENCE OF REGULATED WETLANDS WITHIN THE BOUNDARY OF THE PROPERTY.
9. THE MAINTENANCE AGREEMENT FOR SHO GEE COURT SHALL BE REVISED TO INCLUDE PROPOSED LOT #2 AND SHALL BE FILED WITH THE ORANGE COUNTY CLERK'S OFFICE AND THE TOWN OF NEW WINDSOR CLERK'S OFFICE PRIOR TO ISSUANCE OF A BUILDING PERMIT.
10. THE PROPOSED DWELLING SHALL BE CONSTRUCTED WITHIN THE DASHED LIMITS OF THE FOUNDATION BOX AS DEPICTED ON THIS PLAN. THE REAR OF THE DWELLING SHALL BE POSITIONED TO BE SIGNIFICANTLY PARALLEL TO BUTLER LANE AS SHOWN ON THIS PLAN. THE REVIEW AND APPROVAL BY THE TOWN OF NEW WINDSOR PLANNING BOARD SHALL BE REQUIRED FOR ANY DWELLING PROPOSED TO BE CONSTRUCTED OUTSIDE OF THE FOUNDATION BOX AS SHOWN ON THIS PLAN.

SURVEY NOTES:

1. THIS SURVEY IS SUBJECT TO ANY FINDINGS OF A TITLE SEARCH.
2. SUBSURFACE STRUCTURES AND UTILITIES NOT VISIBLE AT THE TIME OF SURVEY HAVE NOT BEEN SHOWN.
3. REFERENCES:
MAP ENTITLED "SUBDIVISION LANDS FOR EDITH MANNONI & JERRY CAIAZZO, TOWN OF NEW WINDSOR, ORANGE COUNTY, NEW YORK," DATED NOVEMBER 7, 1985, LAST REVISED JULY 10, 1987, AND FILED IN THE ORANGE COUNTY CLERK'S OFFICE ON OCTOBER 28, 1987, AS MAP NO. 8558.

MAP ENTITLED "SUBDIVISION PLAN FOR HAMPTON COURT, TOWN OF NEW WINDSOR, ORANGE COUNTY, NEW YORK," DATED JUNE 14, 1993, LAST REVISED JANUARY 8, 1995, PREPARED BY LANC & TULLY, ENGINEERING AND SURVEYING, P.C.

MAP ENTITLED "SUBDIVISION PLAN FOR MARKS, TOWN OF NEW WINDSOR, ORANGE COUNTY, NEW YORK," DATED JANUARY 17, 1995, LAST REVISED MAY 8, 1995 AND FILED IN THE ORANGE COUNTY CLERK'S OFFICE ON MAY 3, 1995, AS MAP NO. 67-95.
4. TOPOGRAPHY SHOWN IS THE RESULT OF AN ACTUAL FIELD SURVEY PERFORMED BY LANC & TULLY ENGINEERING AND SURVEY, P.C., WITH CONTOURS BASED ON AN APPROXIMATE U.S.G.S. DATUM.

TABLE OF ZONING REQUIREMENTS
TOWN OF NEW WINDSOR - R-1 DISTRICT
(RURAL RESIDENTIAL)

| MINIMUM | REQUIRED | PROVIDED LOT #1 | PROVIDED LOT #2 |
|--------------------|----------------|-------------------|-------------------|
| LOT AREA (GROSS) | 80,000 SQ. FT. | 64,811± SQ. FT.* | 70,603± SQ. FT.* |
| LOT AREA (NET) | N/A | 62,062± SQ. FT.** | 64,113± SQ. FT.** |
| LOT WIDTH | 175 FT. | 184 FT. | 225 FT. |
| FRONT YARD DEPTH | 45 FT. | 102 FT. | 104 FT. |
| SIDE YARD | 40 FT. | 66.6 FT. | 79 FT. |
| BOTH SIDE YARDS | 80 FT. | 161.6 FT. | 166 FT. |
| REAR YARD | 50 FT. | 127 FT. | 95 FT. |
| STREET FRONTAGE | 70 FT. | 90 FT. | 205 FT. |
| LIVABLE FLOOR AREA | 1,200 SQ. FT. | 1,200± SQ. FT. | 1,200± SQ. FT. |

| MAXIMUM | ALLOWED | PROVIDED LOT #1 | PROVIDED LOT #2 |
|------------------------|---------|-----------------|-----------------|
| BUILDING HEIGHT | 35 FT. | 35 FT. | 35 FT. |
| DEVELOPMENTAL COVERAGE | 20% | 12% | 12% |

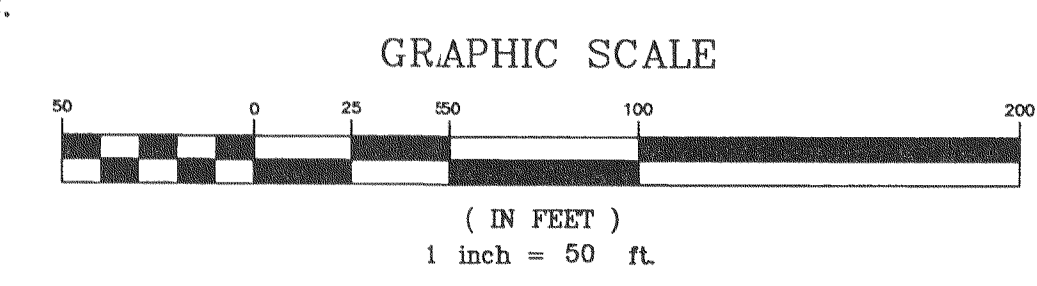
*-VARIANCE GRANTED BY THE TOWN OF NEW WINDSOR ZONING BOARD OF APPEALS FOR GROSS LOT AREA FOR BOTH LOT 1 & LOT 2 ON APRIL 28, 2008.
**- NET LOT AREA HAS BEEN CALCULATED WITH THE SUBTRACTION OF THE AREA FOR THE RIGHT OF WAY OF SHO GEE COURT

911 ADDRESSING:

- 22 LOT #1 - 22 SHO GEE COURT
- 16 LOT #2 - 16 SHO GEE COURT

LEGEND:

- EXISTING PROPERTY LINE
- EXISTING EASEMENT PRIVATE ROAD BOUNDARY
- PROPOSED PROPERTY LINE
- PROPOSED BUILDING SETBACK
- PROPOSED DRIVEWAY
- EXISTING STONEWALL



RECORD OWNER/APPLICANT:

PETER MOLONEY
IRENE MOLONEY
4 SHO GEE CT.
ROCK TAVERN NY 12575
L. 5351 P. 129
51 - 1 - 55.3
FM 1/4 LOT
MAP NO. 8558

AREA SUMMARY:

| | | |
|-------|---------------|------------|
| LOT 1 | 64,811± S.F. | 1.488± AC. |
| LOT 2 | 70,603± S.F. | 1.621 ±AC. |
| TOTAL | 135,414± S.F. | 3.109 ±AC. |

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07-23

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ENGINEERING AND SURVEYING, P.C.

P.O. Box 687, Rt. 207
Goshen, N.Y. 10924
(845) 294-3700

SUBDIVISION PLAN
PREPARED FOR

MOLONEY

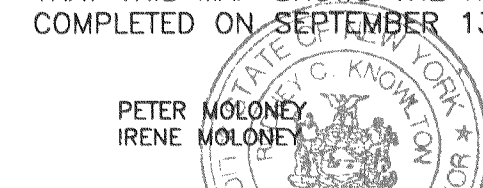
TOWN OF NEW WINDSOR
ORANGE COUNTY, NEW YORK

Date: MARCH 15, 2006
Revisions:
OCTOBER 23, 2006
JUNE 18, 2007
DECEMBER 19, 2007
JUNE 9, 2008
SEPTEMBER 18, 2008
APRIL 6, 2009

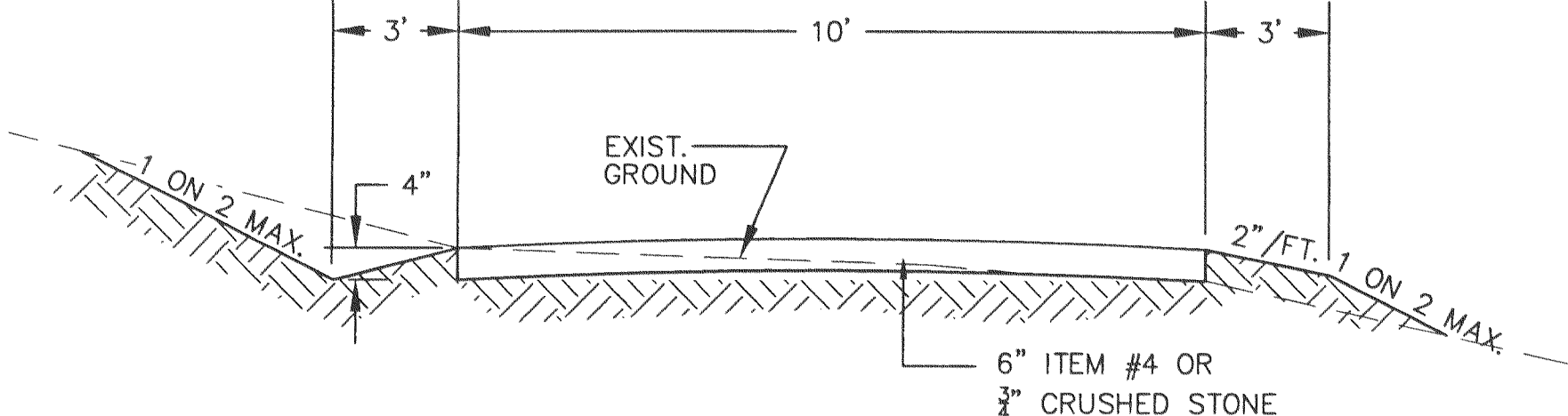
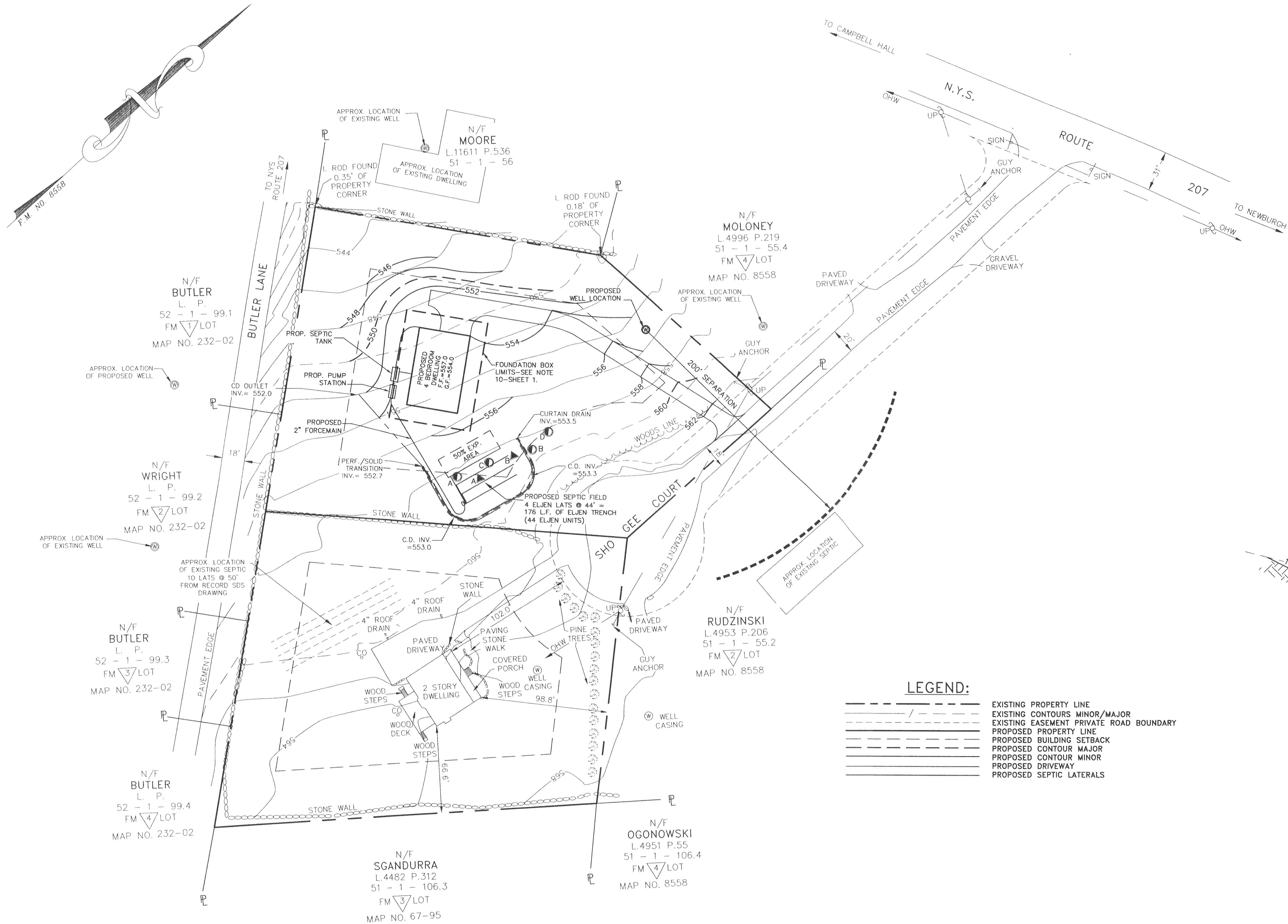
CAD File: MOLONEY-PNG.DWG
Layout: SUBDIVISION
Sheet No.: 1 OF 4
Drawing No.: B - 05 - 0104 - 01

CERTIFICATION:

I HEREBY CERTIFY TO THE PARTIES OF INTEREST LISTED BELOW THAT THIS MAP SHOWS THE RESULTS OF AN ACTUAL FIELD SURVEY COMPLETED ON SEPTEMBER 13, 2005.

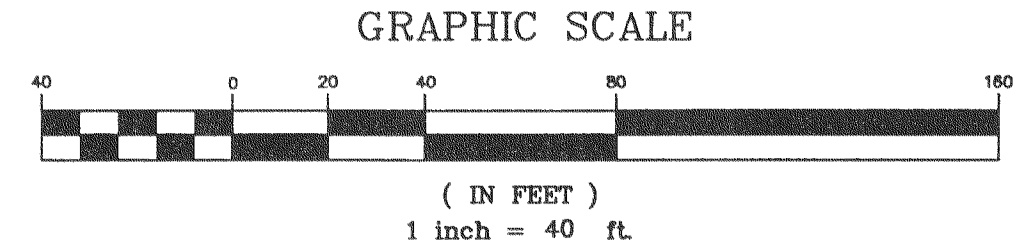


BY: Rodney C. Knowlton, L.S.
RODNEY C. KNOWLTON, L.S.
NEW YORK STATE LICENSE NO. 50276



TYPICAL DRIVEWAY DETAIL
NOT TO SCALE

- LEGEND:**
- EXISTING PROPERTY LINE
 - EXISTING CONTOURS MINOR/MAJOR
 - EXISTING EASEMENT PRIVATE ROAD BOUNDARY
 - PROPOSED PROPERTY LINE
 - PROPOSED BUILDING SETBACK
 - PROPOSED CONTOUR MAJOR
 - PROPOSED CONTOUR MINOR
 - PROPOSED DRIVEWAY
 - PROPOSED SEPTIC LATERALS



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GRADING AND UTILITY PLAN
PREPARED FOR

MOLONEY

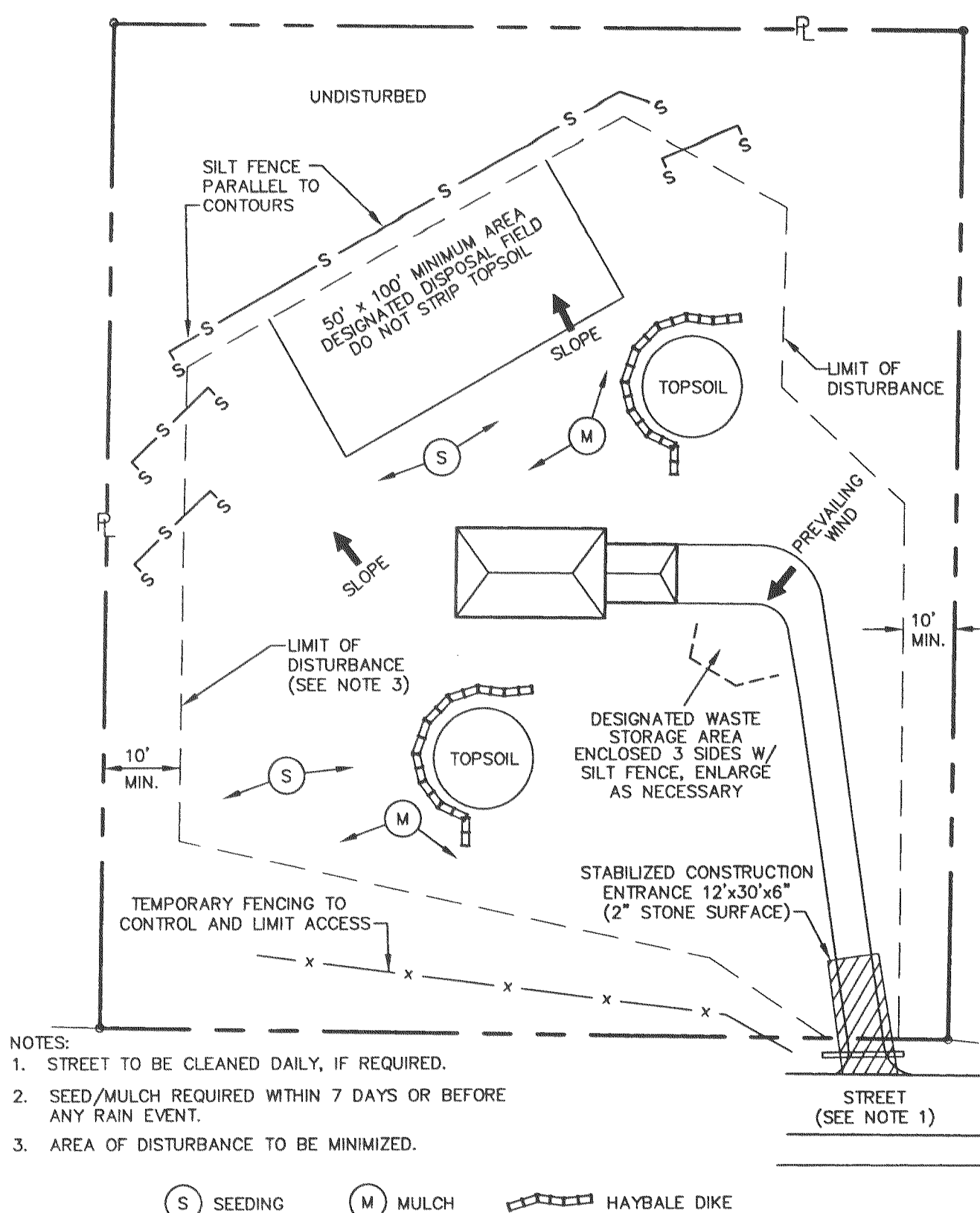
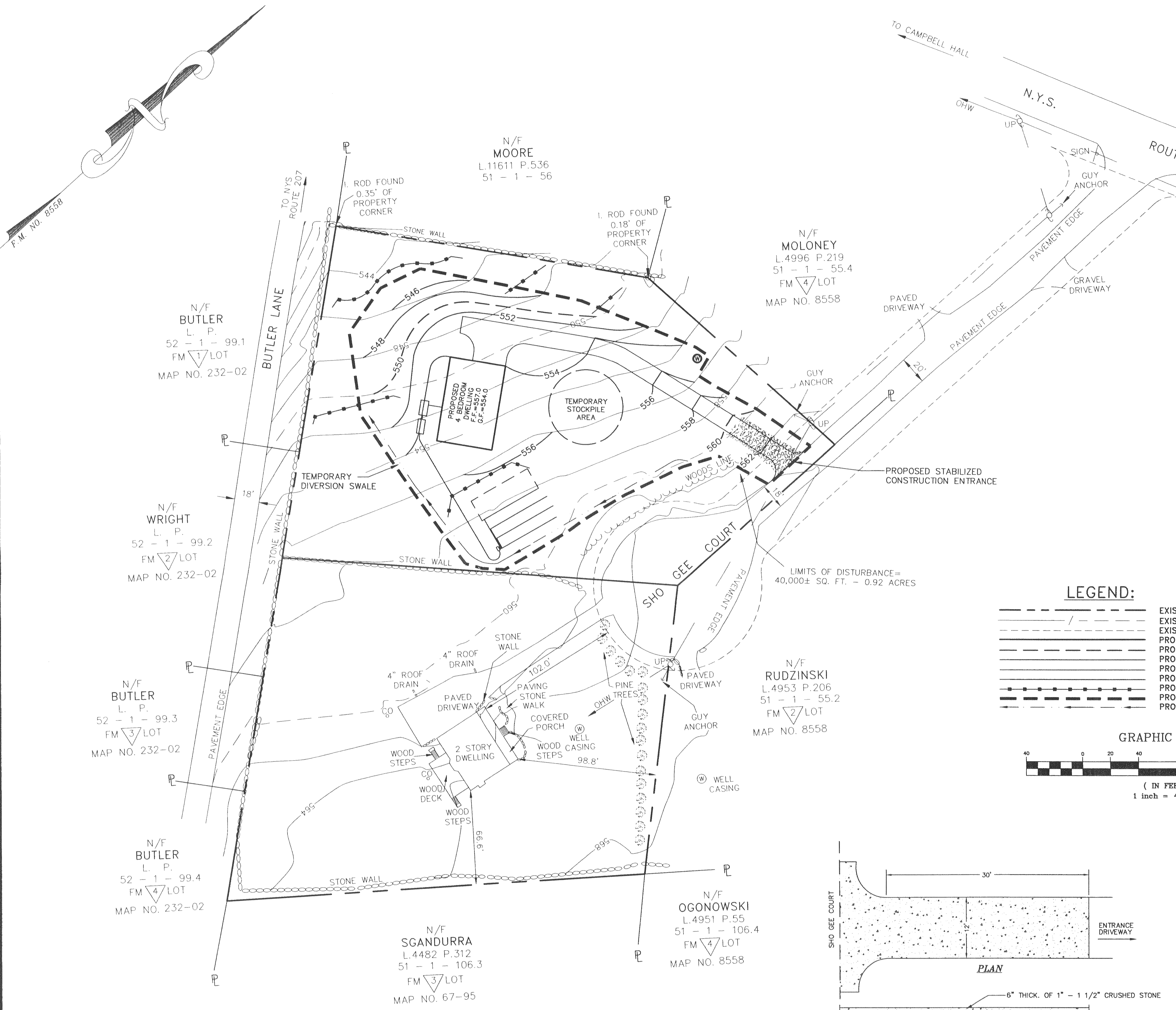
TOWN OF NEW WINDSOR
ORANGE COUNTY, NEW YORK

Date: MARCH 15, 2006

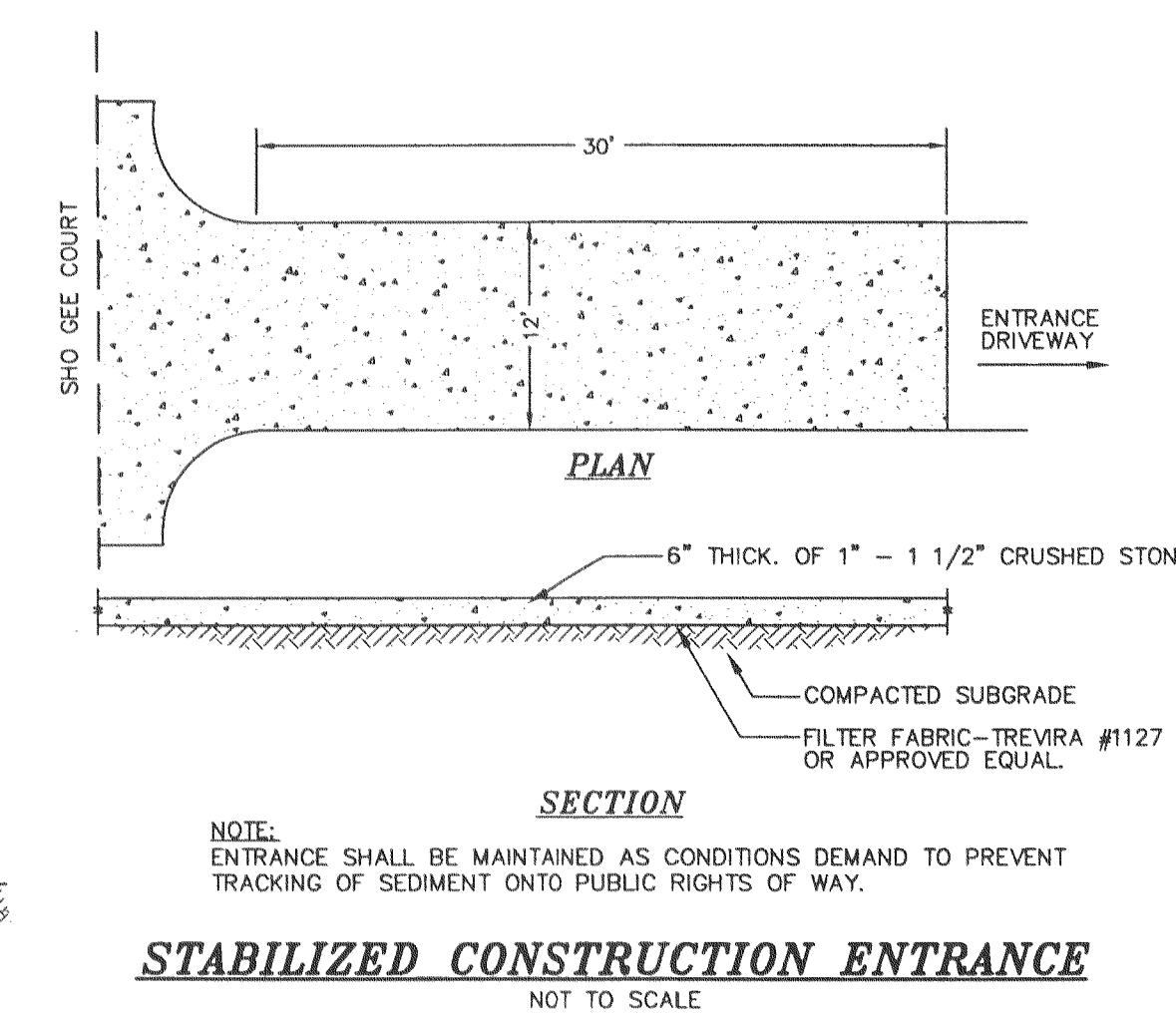
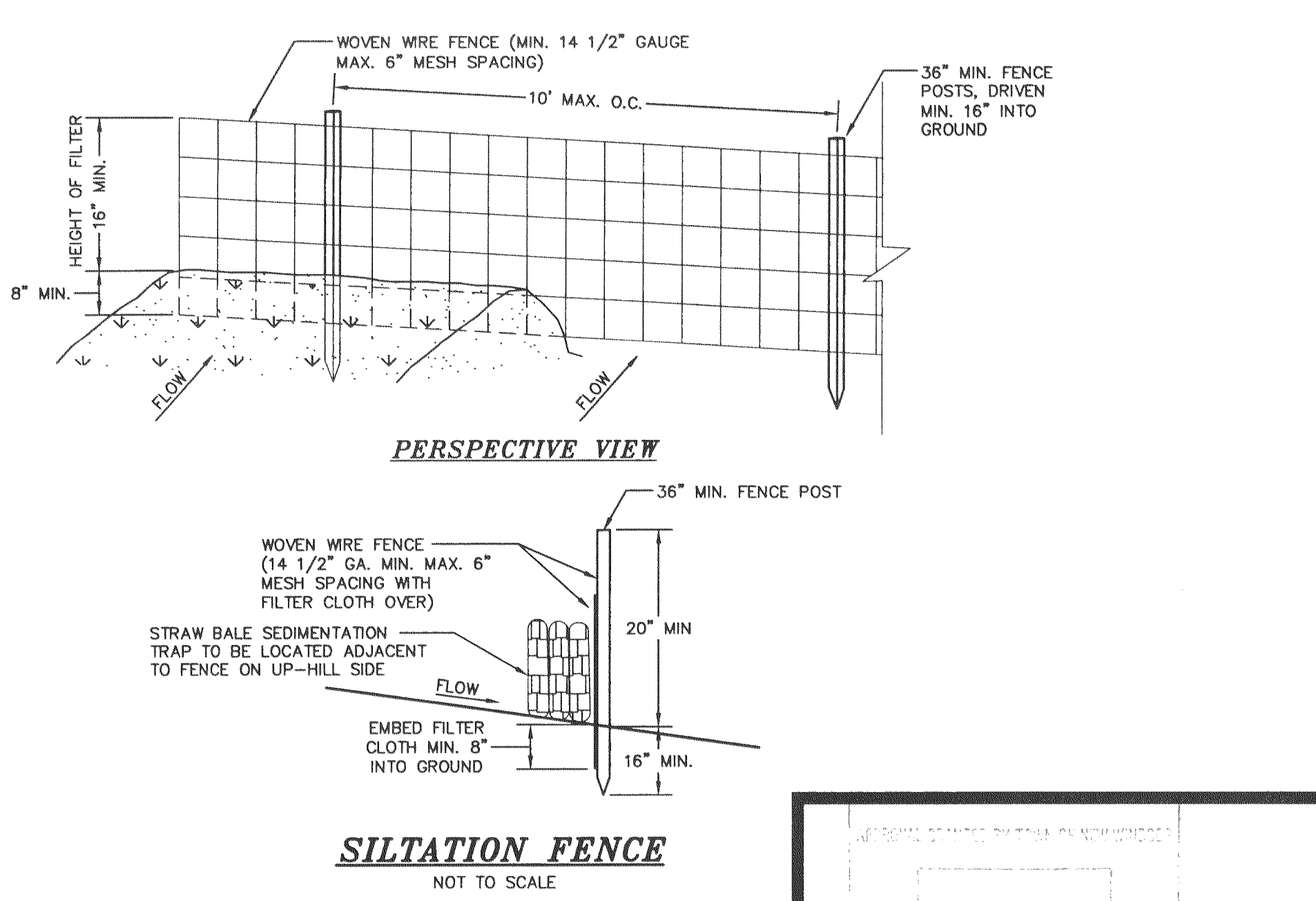
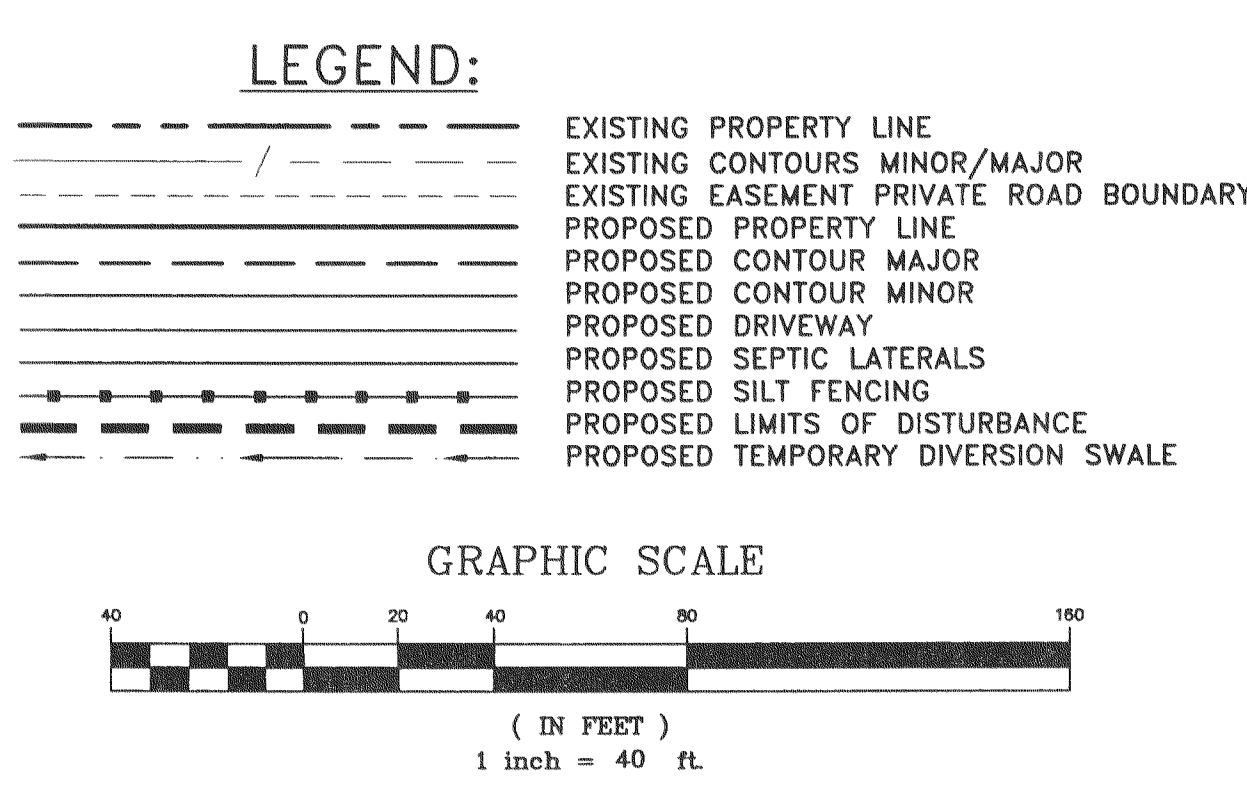
Revisions:
OCTOBER 23, 2006
JUNE 18, 2007
DECEMBER 19, 2007
JUNE 9, 2008
SEPTEMBER 18, 2008
APRIL 6, 2009

CAD File: MOLONEY-ENG.DWG
Layout: GRADING AND UTILITY
Sheet No.: 2 OF 4

| | | | | |
|--------------------|--------------------|--------------------|-------------------------------|------------------------------------|
| Drawn By: AC/JQ | Checked By: JOR | Scale: 1" = 40' | Tax Map No.: 51 - 1 - 55.3 | Drawing No.: A - 05 - 0104 - 02 |
|--------------------|--------------------|--------------------|-------------------------------|------------------------------------|

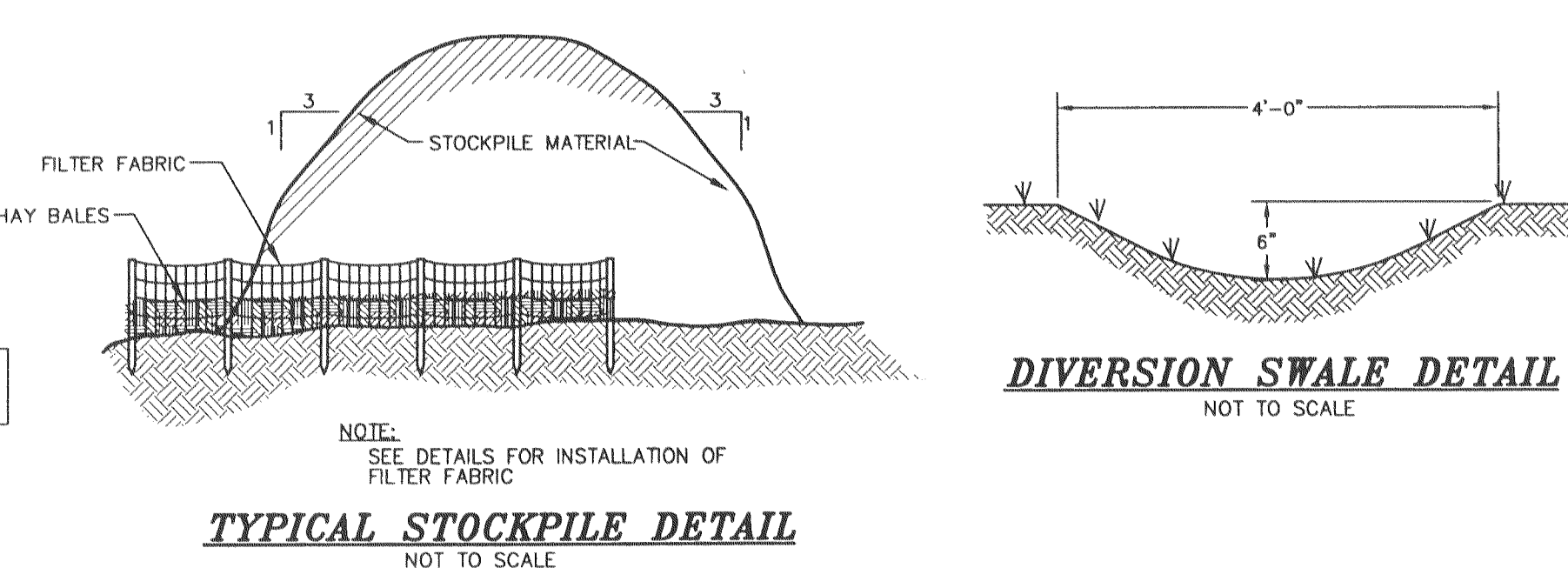


- ### EROSION AND SEDIMENT CONTROL NOTES AND CONSTRUCTION SEQUENCING
1. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCES AT ALL DRIVEWAY LOCATIONS WHERE SHOWN ON THE PLAN.
 2. INSTALL SEDIMENT BARRIERS/SWALES/DITCHES/DIKES AT DOWN SLOPE AREAS FROM ALL PROPOSED GRADING OPERATIONS, AND INSTALL OTHER SEDIMENTATION AND EROSION CONTROL STRUCTURES OR MEASURES AS SHOWN ON THE DRAWINGS.
 3. LAND DISTURBANCE SHALL BE LIMITED TO ONLY THAT AREA NECESSARY FOR DEVELOPMENT. NO MORE THAN FIVE (5) ACRES OF UNPROTECTED SOIL SHALL BE DISTURBED AT ONE TIME. PREVIOUS EARTHWORK SHALL BE STABILIZED AS SPECIFIED BEFORE ADDITIONAL AREA IS EXPOSED.
 4. CLEAR EXISTING TREES AND VEGETATION FROM AREAS TO BE EXCAVATED OR FILLED, THEN STRIP AND STOCKPILE TOPSOIL FROM ALL AREAS TO BE DISTURBED. SEED STOCKPILED TOPSOIL WITH TEMPORARY RYEGRASS COVER AS SPECIFIED BELOW (SEE NOTE 7), AND ERECT A SILT FENCE AROUND THE STOCKPILE.
 5. PROTECT ALL TREES WHICH ARE TO REMAIN AND WHICH ARE IN OR NEAR CONSTRUCTION AREAS AS DIRECTED IN THE FIELD WITH SNOW FENCING PLACED AROUND THE TREE TRUNK. PLACE SNOW FENCING AT THE DRIPLINE SURROUNDING TREES, IF POSSIBLE, OR TO MAINTAIN A MINIMUM DIAMETER OF 10 FEET AROUND TREES. WHERE FENCING MUST BE PLACED CLOSER THAN THE DRIP LINE, PLACE 4 INCHES OF WOOD CHIPS OVER ROOT ZONE TO EXTEND TO THE DRIP LINE. MAINTAIN THIS WOOD CHIP PROTECTION FOR THE DURATION OF CONSTRUCTION.
 6. INSTALL SEDIMENT BARRIERS AND SWALES, OR MODIFY SEDIMENT CONTROL MEASURES INSTALLED IN #2 ABOVE AND MAINTAIN UNTIL ALL DISTURBED AREAS ARE STABILIZED WITH VEGETATION AND ALL PAVEMENTS ARE PAVED.
 7. SEED ALL DISTURBED AREAS WHICH WILL REMAIN UNDISTURBED FOR A PERIOD OF 14 DAYS OR MORE AND WHICH WILL NOT BE UNDER CONSTRUCTION WITHIN 14 DAYS WITH TEMPORARY RYEGRASS COVER, AS FOLLOWS (METHOD OF SEEDING IS OPTIONAL):
 - A. LOOSEN SEEDBED BY DISCING TO A 4" DEPTH.
 - B. SEED WITH 6 LBS PER ACRE PERENNIAL OR ANNUAL RYEGRASS.
 - C. MULCH WITH 100-200 BALES PER ACRE OF BLOWN AND CHOPPED BOUND IN PLACE WITH 2000 LBS PER ACRE CELLULOSE FIBER MULCH, AND WITH AN APPROVED TACKLER BINDER.
 8. IF CONSTRUCTION IS SUSPENDED OR COMPLETED, ALL DISTURBED AREAS SHALL BE SEED AND MULCH IMMEDIATELY. ALL SLOPES STEEPER THAN ONE ON THREE (V/H) AND PERIMETER TRENCHES AND TRAP EMBANKMENTS SHALL, ON COMPLETION, BE IMMEDIATELY STABILIZED WITH TEMPORARY SEEDING AND MULCHING.
 9. AFTER COMPLETION OF SITE CONSTRUCTION, FINE GRADE AND SPREAD TOPSOIL ON ALL LAWN AREAS AND SEED WITH PERMANENT LAWN MIX AS FOLLOWS:
 - A. LIME TOPSOIL TO PH 6.0.
 - B. FERTILIZE WITH 20 LBS PER 1000 SQ. FT. OF 5-10-10, 50% WATER SOLUBLE NITROGEN FERTILIZER.
 - C. SEED WITH 5 LBS PER 1000 SQ. FT. OF THE FOLLOWING MIXTURE, OR OTHER MIXTURE APPROVED BY THE LANDSCAPE ARCHITECT: 40% JAMESTOWN CHEWINGS FESCUE, 40% BARON KENTUCKY BLUEGRASS AND 20% YORKTOWN PERENNIAL RYEGRASS.
 - D. MULCH AS DESCRIBED FOR TEMPORARY SEEDING (NOTE 8 ABOVE).
 - E. FERTILIZE 4 WEEKS AFTER GERMINATION WITH 10 LBS 20-10-10 FERTILIZER PER 1000 SQ. FT.
 10. DURING THE PROGRESS OF CONSTRUCTION, MAINTAIN ALL SEDIMENT TRAPS, BARRIERS, AND FILTERS AS NECESSARY TO PREVENT THEIR BEING CLOGGED UP WITH SEDIMENT.
 11. AFTER PAVEMENTS ARE INSTALLED AND PERMANENT VEGETATIVE COVER AND PLANTINGS ARE ESTABLISHED, REMOVE SEDIMENT BARRIERS AND SEED THOSE DISTURBED AREAS.
 12. MAINTAIN ALL SEEDING AND PLANTED AREAS TO INSURE A VIABLE STABILIZED VEGETATIVE COVER.
 13. STRUCTURAL MEASURES MUST BE MAINTAINED TO BE EFFECTIVE. IN GENERAL, THESE MEASURES MUST BE PERIODICALLY INSPECTED TO INSURE STRUCTURAL INTEGRITY, TO DETECT VANDALISM DAMAGE, AND FOR CLEANING AND REPAIR WHENEVER NECESSARY.
 14. DURING CONSTRUCTION, ALL STRUCTURES SHOULD BE INSPECTED WEEKLY AND AFTER EVERY RAIN. REMOVE ACCUMULATED SEDIMENT AND STOCKPILE AND STABILIZE IN AN AREA NOT SUBJECT TO FURTHER EROSION.



TWO WORKING DAYS BEFORE YOU DIG CALL
1-800-962-7962
UNDERGROUND FACILITIES PROTECTIVE ORGANIZATION

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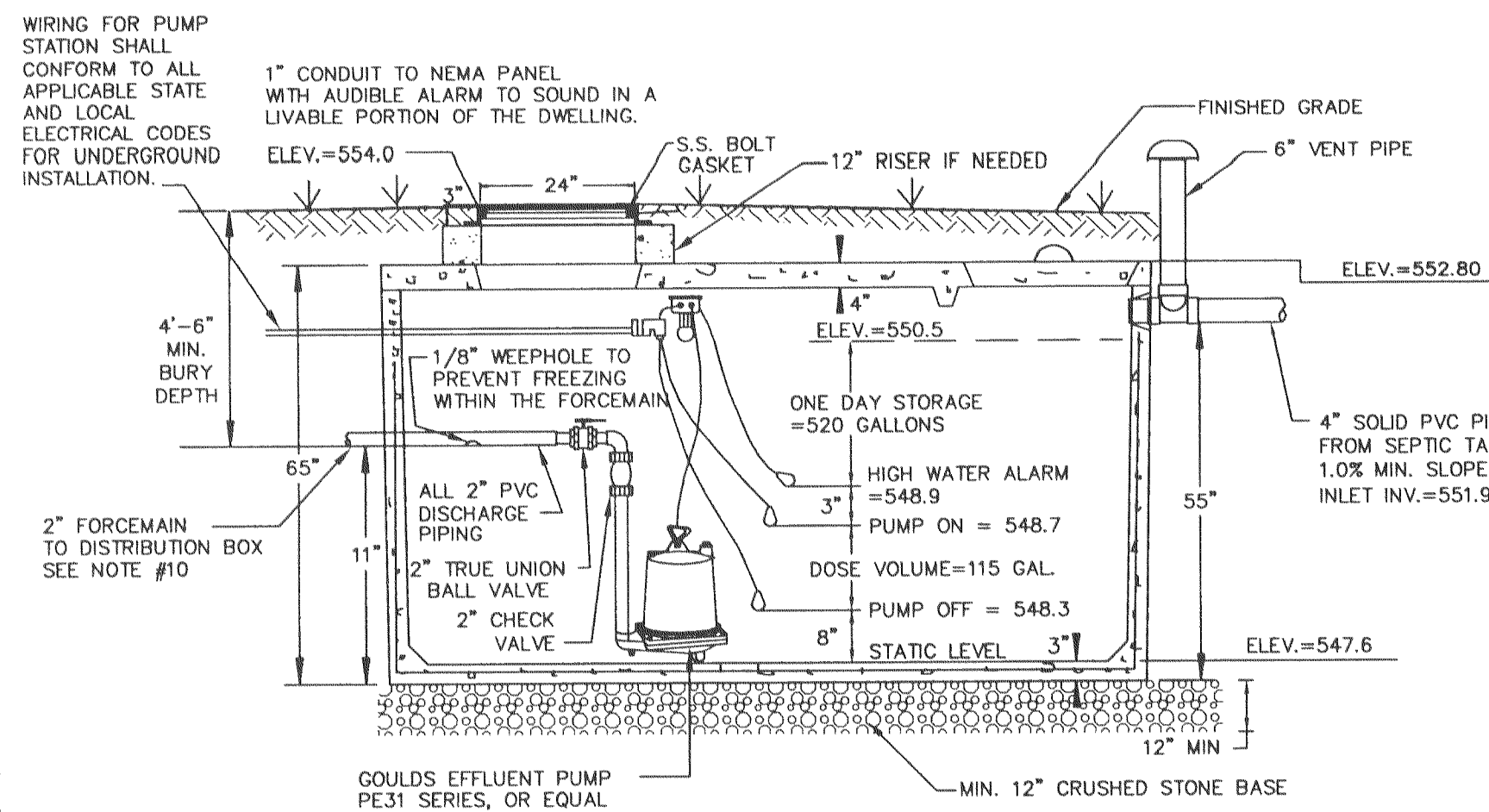
THIS EROSION CONTROL PLAN SHALL BE USED FOR EROSION CONTROL METHODS AND LOCATIONS ONLY. DO NOT USE THIS PLAN FOR BUILDING, PAVED AREA UTILITY LOCATIONS, ETC.

THE OWNER IS ASSIGNED THE RESPONSIBILITY FOR THE CONSTRUCTION AND MAINTENANCE OF THE MEASURES AS DETAILED ON THIS PLAN.

LANC & TULLY
ENGINEERING AND SURVEYING, P.C.
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Goshen, N.Y. 10924
(845) 294-3700

SEDIMENT & EROSION CONTROL PLAN AND DETAILS PREPARED FOR
MOLONEY
TOWN OF NEW WINDSOR
ORANGE COUNTY, NEW YORK

07-231
DATE: MARCH 15, 2006
REVISIONS:
OCTOBER 23, 2006
JUNE 18, 2007
DECEMBER 19, 2007
JUNE 9, 2008
SEPTEMBER 18, 2008
APRIL 6, 2009
CITY FILE: MOLONEY-ENG.DWG
LAYOUT: EROSION
SHEET NO.: 3 OF 4
DRAWN BY: AC/JQ
CHECKED BY: JOR
SCALE: 1" = 40'
TAX MAP NO.: 51 - 1 - 55.3
DRAWING NO.: A - 05 - 0104 - 02

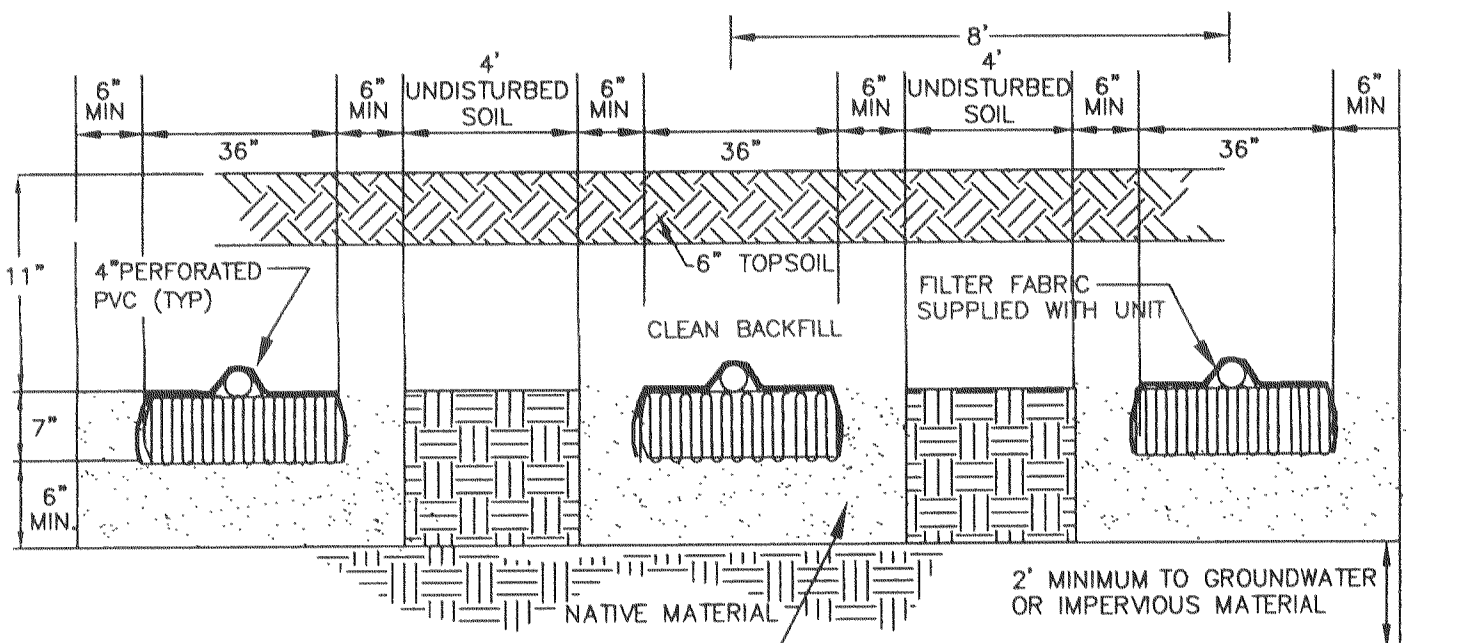


NOTES:

1. CONCRETE PRECAST PUMP CHAMBER BY WOODARD'S CONCRETE PRODUCTS, INC., BULLVILLE, N.Y. OR EQUAL.
2. PRECAST CHAMBER TO MEET H-20 LOADING SPECIFICATIONS.
3. CONTROL PANEL TO BE AUTOMATED CONTROL SYSTEMS SF11 NEMA 1 ENCLOSURE OR EQUAL.
4. ELECTRICAL EQUIPMENT IN WELLS OR IN ENCLOSED SPACES WHERE EXPLOSIVE GASES MAY ACCUMULATE SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE FOR CLASS 1, DIVISION 1, GROUPS C AND D LOCATIONS. THERE SHALL BE NO ELECTRICAL SPLICES, JUNCTION BOXES OR CONNECTIONS OF ANY KIND IN SEWAGE WET WELLS OF ANY NEC RATING.
5. ALL JOINTS SHALL BE CAULKED.
6. AN ASPHALTIC SEAL SHALL BE APPLIED BETWEEN CONTACT SURFACES OF BASE AND RISER SECTIONS, WHERE APPLICABLE.
7. THE REQUIRED DOSE VOLUME = 115 GALLONS
8. ALL COVERS SHALL BE LOCKABLE AND WATERTIGHT.
9. ALL NEC REQUIREMENTS SHALL BE MET FOR THE PUMP STATION ELECTRICAL COMPONENTS.
10. THE FORCE MAIN MUST MAINTAIN A POSITIVE SLOPE BACK TO THE PUMP STATION TO ALLOW THE EFFLUENT TO DRAIN BACK INTO THE PUMP CHAMBER AFTER EACH PUMPING CYCLE.

PRECAST PUMP CHAMBER TANK (1,250 GAL.)

NOT TO SCALE



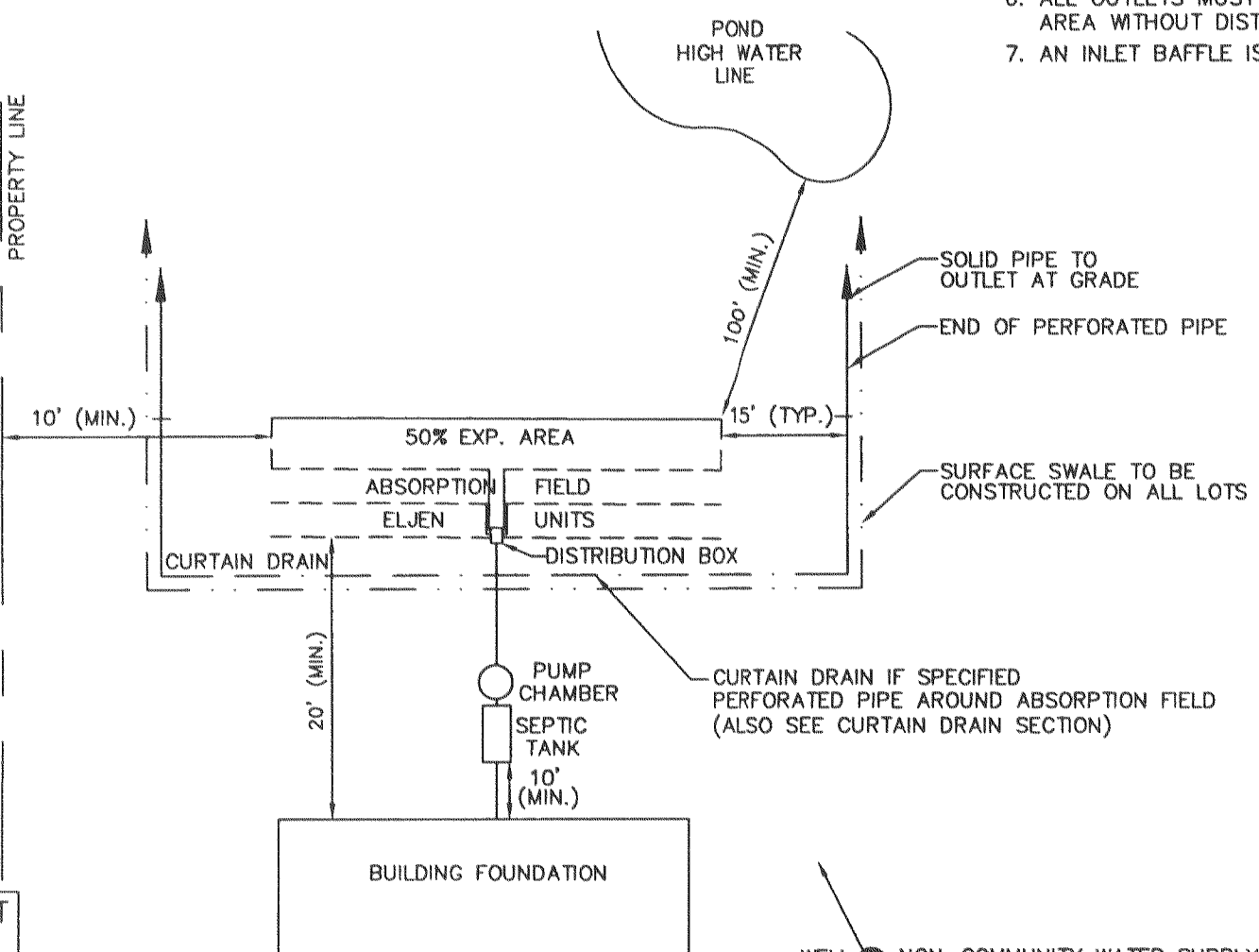
INSTALLER SHALL INSTALL A 6" LAYER OF SAND MEETING NEW YORK STATE DEPARTMENT OF TRANSPORTATION SPEC. 703-07 SEE ELJEN IN-DRAIN DESIGN AND INSTALLATION MANUAL FOR DETAILS

NOTES:

1. DO NOT INSTALL TRENCHES IN WET SOIL.
2. RAISE SIDES AND BOTTOM OF TRENCH PRIOR TO PLACING GRAVEL/CONCRETE SAND.
3. END OF ALL DISTRIBUTION PIPES MUST BE PLUGGED.
4. TRENCHES TO BE INSTALLED PARALLEL WITH EXISTING CONTOURS WITH SPACING OF ABSORPTION TRENCHES TO BE A MINIMUM OF 8 FEET ON CENTER WITH A MINIMUM OF 4 FEET OF UNDISTURBED SOIL BETWEEN TRENCHES.
5. ALL TRENCHES ARE TO HAVE IDENTICAL NUMBER OF ELJEN UNITS.
6. NO SYSTEM IS TO BE CONSTRUCTED ON GROUND WITH A SLOPE IN EXCESS OF 15%.
7. THE TRENCH BOTTOM SHALL BE LEVEL. IN GRAVITY SYSTEMS SLOPE PERFORATED PIPE 1/32" TO 1/16" PER FOOT. IN PUMPED OR DOSED SYSTEMS SET PERFORATED PIPE NEARLY LEVEL.
8. ALL PIPE PERFORATIONS MUST FACE DOWN.

TYPICAL ELJEN TRENCH CROSS SECTION

NOT TO SCALE

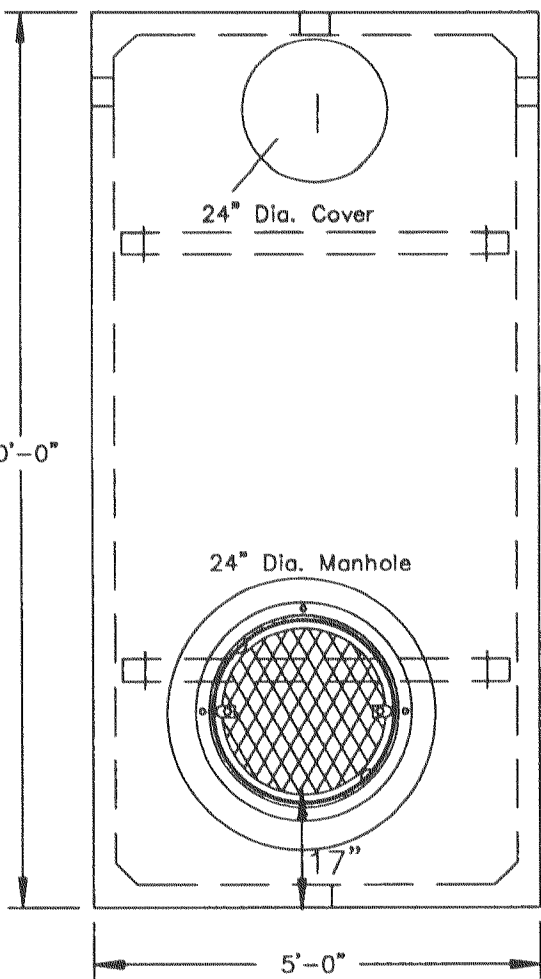


TYPICAL SEPTIC SYSTEM LAYOUT

NOT TO SCALE

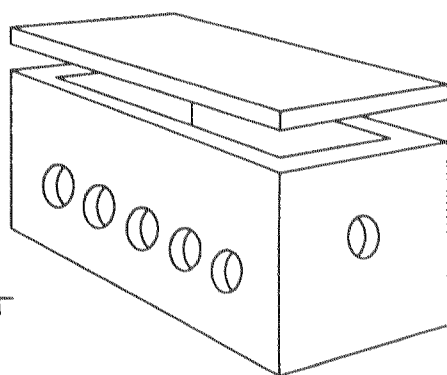
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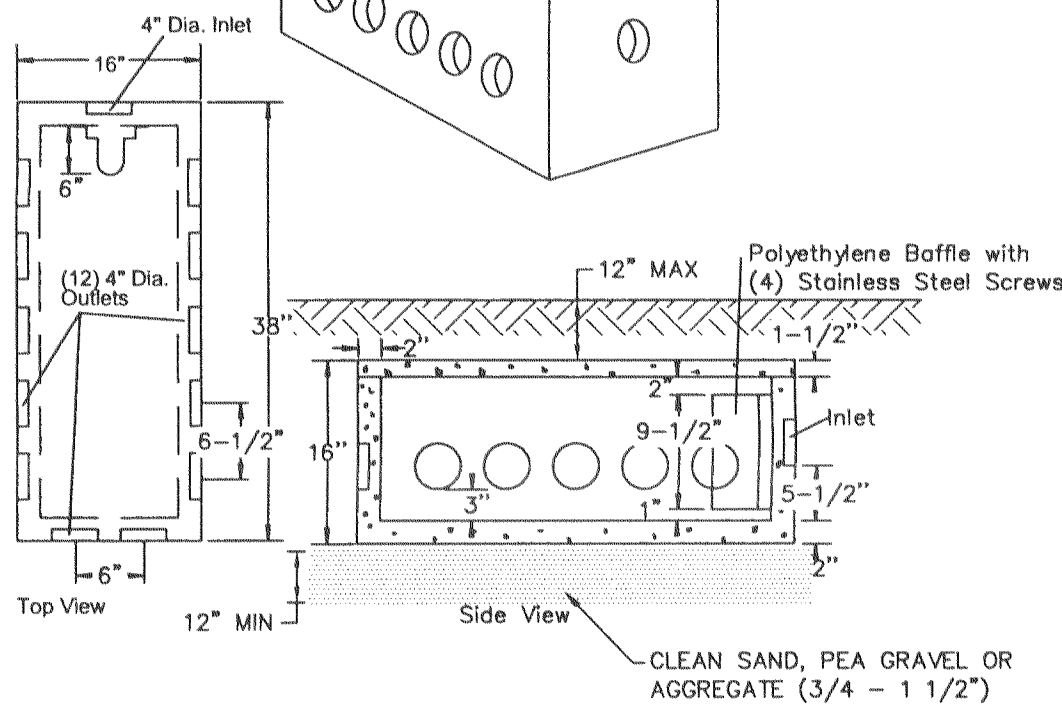
SPECIFICATIONS

Concrete Min. Strength: 4,000 psi at 28 days
Reinforcement: #3 Rebar, 6x6x10/10 WWM
Air Entrainment: 5%
Construction Joint: Butyl Rubber Sealant
Pipe Connection: Polylok Seal (patented)
Weight: varies
Load Rating: 300 psf



TYPICAL WELL DETAIL

NOT TO SCALE
MINIMUM 5 GPM WELL YIELD



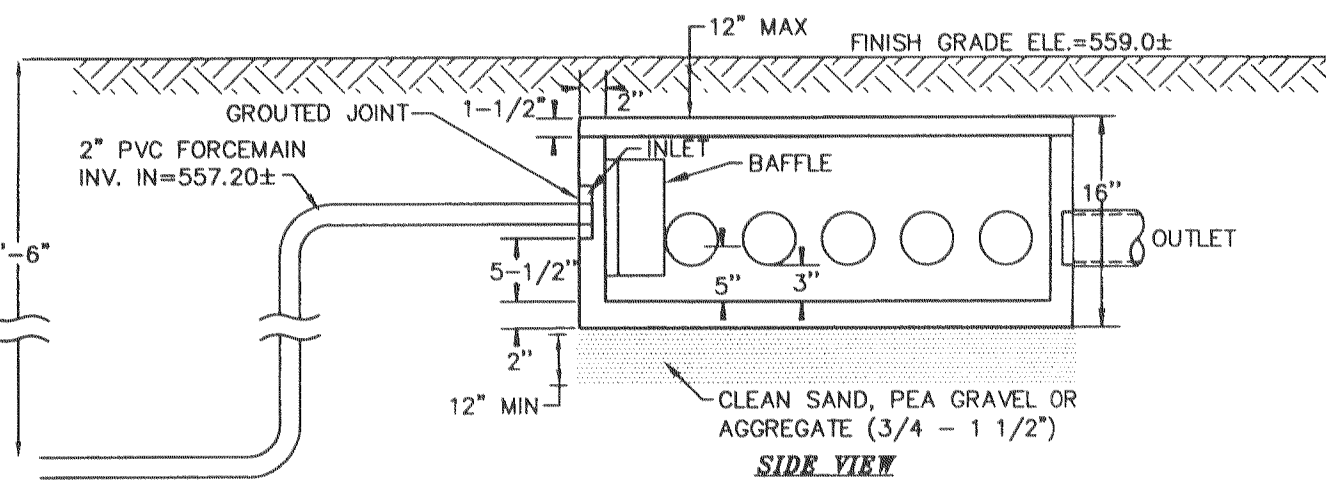
| SPECIFICATIONS | PRECAST DISTRIBUTION BOXES |
|--|--------------------------------------|
| Concrete Min. Strength: 4,000 psi at 28 days | MODEL DB-12/12 OUTLETS W/BAFFLE |
| Reinforcement: Fiber, 10ga. wire mesh | |
| Air Entrainment: 5% | |
| Pipe Connection: Polylok Seal (patented) | Woodard's Concrete Products, Inc. |
| Load Rating: 300 psf | 629 Lybolt Road, Bullville, NY 10915 |
| Weight = 325 lbs | (845) 361-3471 / Fax 361-1050 |

CENTRAL DISTRIBUTION BOX

NOT TO SCALE

NOTES:

1. PIPE JOINTS TO BE SEALED WITH ASPHALTIC MATERIAL OR EQUAL.
2. 4" OUTLET PIPES LEAVE BOX AT SAME ELEVATION ON A SLOPE OF 1/8" PER FOOT MIN. TO ABSORPTION AREA.
3. PRECAST DISTRIBUTION BOX BY WOODARD'S CONCRETE PRODUCTS, INC. NO. DB-12 OR EQUAL.
4. CONCRETE TO BE A MINIMUM STRENGTH OF 4,000 PSI AT 28 DAYS.
5. FLOW EQUALIZERS ARE REQUIRED FOR ALL OUTLETS IN USE.
6. ALL OUTLETS MUST BE USED IN A MANNER THAT WILL ALLOW ACCESS TO THE EXPANSION AREA WITHOUT DISTURBING EXISTING PIPING.
7. AN INLET BAFFLE IS REQUIRED TO BE INSTALLED WITH THE DISTRIBUTION BOX.



FORCE MAIN CONNECTION DETAIL

NOT TO SCALE

NOTES:

1. PIPE JOINTS TO BE SEALED WITH ASPHALTIC MATERIAL OR EQUAL.
2. 4" OUTLET PIPES ARE REQUIRED TO EXIT BOX AT SAME ELEVATION ON A SLOPE OF 1/8" PER FOOT MIN. TO ABSORPTION AREA.
3. PRECAST DISTRIBUTION BOX BY WOODARD'S CONCRETE PRODUCTS, INC. NO. DB-12 OR EQUAL.
4. CONCRETE TO BE A MINIMUM STRENGTH OF 4,000 PSI AT 28 DAYS.
5. FLOW EQUALIZERS ARE REQUIRED FOR ALL LATERALS.
6. ALL OUTLETS MUST BE USED IN A MANNER THAT WILL ALLOW ACCESS TO THE EXPANSION AREA WITHOUT DISTURBING EXISTING PIPING.
7. AN INLET BAFFLE IS REQUIRED TO BE INSTALLED WITH THE DISTRIBUTION BOX.

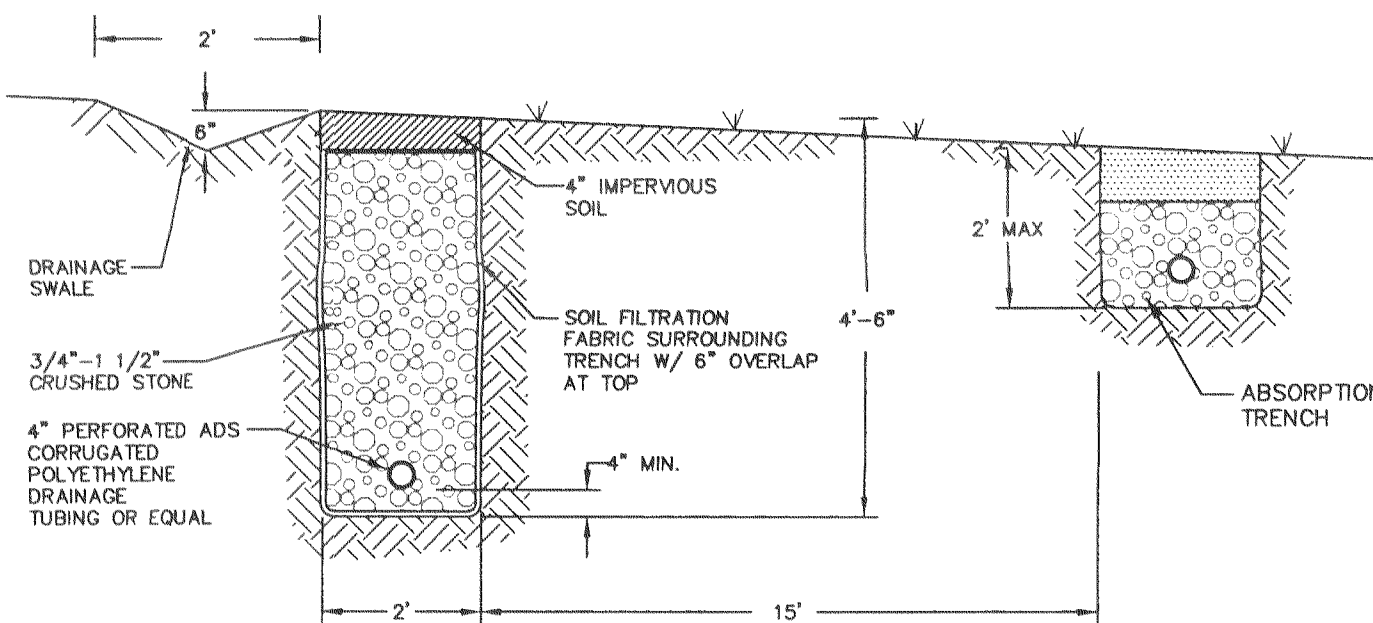
REQUIRED SEPARATION DISTANCES FROM WASTEWATER SYSTEM COMPONENTS

| SYSTEM COMPONENTS | WELL (f) OR SUCTION LINE | TO STREAM, LAKE WATER COURSE(b), OR WETLAND | DWELLING | PROPERTY LINE | DRAINAGE DITCH(b)(a) |
|---|---|---|----------|---------------|----------------------|
| HOUSE SEWER (WATERTIGHT JOINTS) | 25' IF CAST IRON OR PVC WITH O-RING JOINTS, 50' OTHERWISE | 25' | 3' | 10' | - |
| SEPTIC TANK | 50' | 50' | 10' | 10' | 10' |
| EFFLUENT LINE TO DISTRIBUTION BOX | 50' | 50' | 10' | 10' | 10' |
| DISTRIBUTION BOX | 100' | 100' | 20' | 10' | 50' |
| ABSORPTION FIELD | 100'(a) | 100' | 20' | 10' | 50' |
| SEEPAGE PIT | 150'(a) | 100' | 20' | 10' | 50' |
| DRY WELL (ROOF AND FOOTING) | 50' | 25' | 20' | 10' | 10' |
| RAISED OR MOUND SYSTEM (c) | 100'(a) | 100' | 20' | 10' | 50' |
| INTERMITTENT SAND FILTER (c) | 100'(a) | 100' | 20' | 10' | 50' |
| EVAPOTRANSPIRATION--ABSORPTION SYSTEM (c) | 100'(a) | 50' | 20' | 10' | 50' |
| COMPOSTER | 50' | 50' | 20' | 10' | 10' |
| SANITARY PRIVY PIT | 100' | 50' | 20' | 10' | 50' |
| PRIVY, WATERTIGHT VAULT | 50' | 50' | 20' | 10' | 10' |

- (a) WHEN SEWAGE TREATMENT SYSTEMS ARE LOCATED IN COARSE GRAVEL OR UPGRADE AND IN THE GENERAL PATH OF DRAINAGE TO A WELL, THE CLOSEST PART OF THE TREATMENT SYSTEM SHALL BE AT LEAST 200 FEET AWAY FROM THE WELL.
- (b) MEAN HIGH WATER MARK
- (c) FOR ALL SYSTEMS INVOLVING THE PLACEMENT OF FILL MATERIAL, SEPARATION DISTANCES ARE MEASURED FROM THE TOE OF SLOPE OF THE FILL.
- (d) ANY WATER SERVICE LINE UNDER PRESSURE (I.E., PUBLIC WATER SUPPLY MAIN, HOUSEHOLD SERVICE LINE, WELL TO HOUSEHOLD SERVICE LINE) LOCATED WITHIN TEN FEET OF ANY ABSORPTION FIELD, SEEPAGE PIT OR SANITARY PRIVY SHALL BE INSTALLED INSIDE A LARGER DIAMETER WATER MAIN TO PROTECT THE POTABLE WATER SYSTEM.
- (e) ANY WATER SERVICE LINE UNDER PRESSURE (I.E., PUBLIC WATER SUPPLY MAIN, HOUSEHOLD SERVICE LINE, WELL TO HOUSEHOLD SERVICE LINE) CROSSING A SEWER SHALL BE INSTALLED WITH ONE FULL LENGTH OF WATER MAIN CENTERED ABOVE THE SEWER SO BOTH WATER CONNECTING JOINTS ARE AS FAR AS POSSIBLE FROM THE SEWER. SECTION 8.6 OF THE GLUMBR RECOMMENDED STANDARDS FOR WATER WORKS, SHALL BE FOLLOWED FOR SEPARATION OF THE WATER MAINS, SANITARY SEWERS AND STORM SEWERS.
- (f) THE MINIMUM SEPARATION DISTANCE BETWEEN A SEPTIC TANK AND A COMMUNITY TYPE PUBLIC WATER SUPPLY WELL SHOULD BE 100 FEET. DISTRIBUTION BOXES AND ABSORPTION FACILITIES (E.G., ABSORPTION TRENCHES/BEDS, SEEPAGE PITS, RAISED SYSTEMS, MOUND SYSTEMS, ETC.) SHOULD BE LOCATED AT LEAST 200 FEET FROM COMMUNITY TYPE PUBLIC WATER SUPPLY WELLS.
- (g) RECOMMENDED SEPARATION DISTANCES.

SEWAGE DISPOSAL SYSTEM NOTES:

1. THE DESIGN AND LOCATION OF THE SANITARY FACILITIES (WELL AND SEPTIC SYSTEM) SHALL NOT BE CHANGED UNLESS APPROVED BY TOWN OF NEW WINDSOR AND DESIGN ENGINEER.
2. ALL WELLS AND SEPTIC SYSTEMS WITHIN 200' OF THIS SITE HAVE BEEN LOCATED AND ARE SHOWN ON THE PLANS, WHERE OBSERVED.
3. THERE IS NO REGRADING ALLOWED IN THE AREA OF ABSORPTION FIELD.
4. HEAVY EQUIPMENT SHALL BE KEPT OFF THE AREA OF THE TILE FIELD EXCEPT FOR THE ACTUAL CONSTRUCTION OF THE FIELD. THERE SHALL BE NO UNNECESSARY MOVEMENT OF CONSTRUCTION EQUIPMENT BEFORE, DURING OR AFTER CONSTRUCTION. EXTREME CARE MUST BE TAKEN DURING THE ACTUAL CONSTRUCTION SO AS TO AVOID ANY UNDOE COMPACTION THAT COULD RESULT IN A CHANGE OF THE ABSORPTION CAPACITY OF THE SOIL ON WHICH THE DESIGN WAS BASED.
5. NO SWIMMING POOLS, DRIVEWAYS, OR STRUCTURES WHICH MAY COMPACT THE SOIL SHALL BE LOCATED OVER ANY PORTION OF THE ABSORPTION FIELD.
6. THE SEWAGE DISPOSAL SYSTEM WAS NOT DESIGNED TO ACCOMMODATE JACUZZI TYPE SPA TUBS OVER 100 GALLONS, OR GARAGE GRINDERS, AS SUCH, THESE ITEMS SHALL NOT BE USED UNLESS THE SEWAGE DISPOSAL SYSTEM IS REDESIGNED TO ACCOUNT FOR THEM, AND REAPPROVED BY THE TOWN OF NEW WINDSOR.
7. THE OWNER/APPLICANT SHALL BE PROVIDED WITH A COPY OF THE APPROVED PLANS AND AN ACCURATE AS-BUILT DRAWING OF ANY EXISTING SANITARY FACILITIES. (THE OWNER/APPLICANT SHALL ALSO BE ADVISED OF ANY ROUTINE OR SPECIAL MAINTENANCE PROCEDURES THAT MAY BE NECESSARY. REFER TO PAGES 58-61 OF THE NYSDOH DESIGN HANDBOOK FOR RECOMMENDED ROUTINE OPERATION AND MAINTENANCE ITEMS).
8. THE INDIVIDUAL WELL AND SEWAGE TREATMENT SYSTEM SHALL NO LONGER BE CONSTRUCTED OR USED FOR HOUSEHOLD DOMESTIC PURPOSES WHEN PUBLIC FACILITIES BECOME AVAILABLE. CONNECTION TO THE PUBLIC SEWER SYSTEM IS REQUIRED WITHIN ONE YEAR OF ITS AVAILABILITY.
9. BOULDERS ON SURFACE OF THE GROUND TO BE CLEARED AWAY PRIOR TO CONSTRUCTION OF SEWAGE DISPOSAL SYSTEM.
10. ALL TREES SHALL BE REMOVED FROM THE TILE FIELD AREA PRIOR TO CONSTRUCTION.
11. NO LATERALS UNDER DRIVEWAY OR PAVED AREA.
12. ALL LAUNDRY AND KITCHEN WASTES SHALL BE DISCHARGED INTO SEWAGE DISPOSAL SYSTEM.
13. NO CELLAR, FOOTING, OR ROOF DRAINS SHALL BE DISCHARGED INTO SEWAGE DISPOSAL SYSTEM.
14. SANITARY FACILITIES (WELLS, ANY WATER TREATMENT, AND SEWAGE DISPOSAL FACILITIES) SHALL BE INSPECTED AT THE TIME OF CONSTRUCTION BY A N.Y.S. LICENSED PROFESSIONAL ENGINEER WHO SHALL PRIOR TO OCCUPANCY SUPPLY WRITTEN CERTIFICATION TO THE LOCAL CODE ENFORCEMENT OFFICER THAT THE FACILITIES ARE INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS AND THAT ANY SEPTIC TANK JOINTS ARE SEALED AND TESTED FOR WATERTIGHTNESS.
15. AN UNINTERRUPTED POSITIVE SLOPE FROM THE SEPTIC TANK TO THE HOUSE MUST BE MAINTAINED TO ALLOW VENTING OF SEWER GASES THROUGH THE STACK VENT.
16. THE SEWAGE DISPOSAL SYSTEM IS DESIGNED TO ACCOMMODATE UP TO A FOUR BEDROOM DWELLING UNLESS OTHERWISE STATED.
17. ROOF DRAINS SHALL BE DIRECTED AWAY FROM SEWAGE DISPOSAL SYSTEM.
18. SEPTIC TANKS SHOULD BE INSPECTED PERIODICALLY AND PUMPED EVERY 2-3 YEARS.
19. PUMP STATIONS/DOSING CHAMBERS SHOULD BE INSPECTED PERIODICALLY BY A PROPERLY TRAINED PERSON FOR PROPER OPERATION, INCLUDING HIGH WATER ALARMS, VENTING AND ANY PHYSICAL DAMAGE.



NOTES:

1. CURTAIN DRAIN TO BE INSTALLED UPHILL AND ALONG THE SIDES OF THE ABSORPTION FIELD WHERE REQUIRED AS SHOWN ON THESE PLANS.
2. PLACE SOIL FILTRATION FABRIC ALONG BOTTOM AND SIDES OF TRENCH. PLACE 4" CRUSHED STONE AT BOTTOM. INSTALL PERFORATED TUBING. BACK FILL WITH CRUSHED STONE OVERLAP SOIL FILTRATION FABRIC OVER CRUSHED STONE BEFORE PLACEMENT OF IMPERVIOUS SOIL.
3. TRANSITION FROM PERFORATED TO SOLID PVC MAY BE MADE ADJACENT TO THE LAST LATERAL INSTALLED.
4. CLEANOUTS TO BE INSTALLED FLUSH WITH FINISHED GRADE AT LOCATIONS SHOWN ON PLAN.
5. END OF SOLID PVC CURTAIN DRAIN OUTLET TO BE SCREENED.
6. SWALES AND CURTAIN DRAIN DISCHARGES TO BE DIRECTED AWAY FROM ABSORPTION FIELD.

CURTAIN DRAIN DETAIL

NOT TO SCALE

(C) PERCOLATION TEST RESULTS AND SEPTIC SYSTEM DESIGN

- A, B - TESTS COMPLETED ON MAY 10, 2006 BY LANC AND TULLY ENGINEERING.
- C, D - TESTS COMPLETED ON NOVEMBER 20, 2007 BY LANC AND TULLY ENGINEERING AND WITNESSED BY TOWN OF NEW WINDSOR PLANNING BOARD ENGINEER.

| DEPTH OF ALL TESTS | STABILIZED PERC. RATE (MIN./IN.) | | | | DESIGN FLOW: 4 BEDROOM @ 130 GPD = 520 GPD TOTAL DESIGN FLOW: 520 GPD DESIGN PERCOLATION RATE: 31-45 MINUTES/INCH DESIGN APPLICATION RATE 0.50 GAL/DAY/SQUARE FOOT ABSORPTION FIELD ELJEN TRENCH REQUIRED: 174 L.F. (BASED ON 4' WIDE TRENCH) ABSORPTION FIELD TRENCH PROVIDED: 4 LATERALS @ 44 FEET = 176 LINEAR FEET (44 ELJEN UNITS) |
|--------------------|----------------------------------|----|---|----|--|
| | A | B | C | D | |
| 24" | 35 | 18 | 5 | 18 | |

(A) DEEP TEST RESULTS

- A, B - TESTS COMPLETED ON NOVEMBER 20, 2007 BY LANC AND TULLY ENGINEERING AND WITNESSED BY TOWN OF NEW WINDSOR PLANNING BOARD ENGINEER.

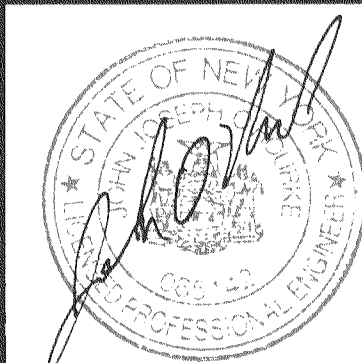
| GROUND LEVEL | A | | B | |
|--------------|--------------------------------------|-----|-----------------------------|-----|
| | TOPSOIL | 10' | TOPSOIL | 12' |
| 1' | SILT LOAM W/ GRAVEL & COBBLES | 10' | SILT LOAM WITH COBBLES | 28' |
| 2' | | 36' | | |
| 3' | | | | |
| 4' | SILT LOAM WITH CLAY POCKETS & STONES | | | |
| 5' | | 72' | | |
| 6' | | | | |
| | GW @ 70" NO BEDROCK | | GW SEEPAGE @ 20" NO BEDROCK | |

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ENGINEERING AND SURVEYING, P.C.

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SEWAGE DISPOSAL SYSTEM DESIGN AND CONSTRUCTION DETAILS PREPARED FOR



MOLONEY

TOWN OF NEW WINDSOR
ORANGE COUNTY, NEW YORK

Drawn By: AC/JQ Checked By: JOR Scale: N.T.S. 51 - 1 - 55.3
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A - 05 - 0104 - 04

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